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In the Claims

The claims currently pending in the application are as follows:

1. (currently amended) A packaging device for semiconductor die, the packaging device comprising:

a substantially planar substrate having opposed major surfaces;

located on one of the major surfaces, a conductive mounting pad for attachment of the die with a major surface of the die in contact therewith; ~~located on one of the major surfaces;~~

a conductive connecting pad located on the other of the major surfaces; and

a conductive interconnecting element extending through the substrate and electrically interconnecting the mounting pad and the connecting pad.

2. (originally presented) The packaging device of claim 1, in which the substrate comprises ceramic.

3. (originally presented) The packaging device of claim 1, in which the substrate comprises a material selected from epoxy laminate and silicon.

4. (originally presented) The packaging device of claim 1, in which the mounting pad and the connecting pad each comprise at least one of copper, silver, gold, nickel and tungsten.

5. (originally presented) The packaging device of claim 1, in which the conductive interconnecting element comprises tungsten.

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6. (originally presented) The packaging device of claim 1, additionally comprising:

a bonding pad located on the one of the major surfaces,

an additional conductive connecting pad located on the other of the major surfaces, and

an additional conductive interconnecting element extending through the substrate and electrically interconnecting the bonding pad and the additional connecting pad.

7. (originally presented) The packaging device of claim 6, in which the substrate comprises ceramic.

8. (originally presented) The packaging device of claim 6, in which the substrate comprises a material selected from epoxy laminate and silicon.

9. (originally presented) The packaging device of claim 6, in which the mounting pad, the bonding pad and the connecting pads each comprise at least one of copper, silver, gold, nickel and tungsten.

10. (originally presented) The packaging device of claim 6, in which the interconnecting element comprises tungsten.

11. (originally presented) A semiconductor device, comprising:

a substantially planar substrate having opposed major surfaces;

a conductive mounting pad located on one of the major surfaces;

a conductive connecting pad located on the other of the major surfaces;

a conductive interconnecting element extending through the substrate and electrically interconnecting the mounting pad and the connecting pad; and

a semiconductor die attached to the mounting pad.

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12. (originally presented) The semiconductor device of claim 11, in which the substrate comprises ceramic.

13. (originally presented) The semiconductor device of claim 11, in which the substrate comprises a material selected from epoxy laminate and silicon.

14. (originally presented) The semiconductor device of claim 11, in which the mounting pad and the connecting pad each comprise at least one of copper, silver, gold, nickel and tungsten.

15. (originally presented) The semiconductor device of claim 11, in which the conductive interconnecting element comprises tungsten.

16. (originally presented) The semiconductor device of claim 11, additionally comprising:

a conductive bonding pad located on the one of the major surfaces;

an additional conductive connecting pad located on the other of the major surfaces;

an additional conductive interconnecting element extending through the substrate and electrically interconnecting the bonding pad and the additional connecting pad, and

a bonding wire extending between the semiconductor die and the bonding pad.

17. (originally presented) The semiconductor device of claim 16, additionally comprising an encapsulant encapsulating the semiconductor die and at least a portion of the major surface of the substrate on which the mounting pad is located.

18. (originally presented) The semiconductor device of claim 16, in which the substrate comprises a material selected from ceramic, epoxy laminate and silicon.

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19. (originally presented) The semiconductor device of claim 16, in which the mounting pad, the bonding pad and the connecting pads each comprise at least one of copper, silver, gold, nickel and tungsten.

20. (originally presented) The semiconductor device of claim 16, in which the conductive interconnecting element comprises tungsten.

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